1: Anal Biochem 1989 Nov 15;183(1):13-5 Related Articles, Books, LinkOut

Use of silica gel polymer for DNA extraction with organic solvents.

Tilzer L, Thomas S, Moreno RF.

Department of Pathology and Oncology, Kansas University Medical Center, Kansas City 66103.

Phenol and chloroform are the standard solvents used for DNA extraction. These solvents aid in the removal of protein and lipid from crude or partially purified cell extracts. Although the procedure is well established, the solvents are noxious, caustic, and unpleasant. We describe in this paper the use of a special blood collection tube to isolate the offensive organic solvents. With the use of silica gel polymer containing tubes, phenol, phenol:chloroform, or chloroform can be separated from the DNA containing aqueous phase in a rapid and safe manner. The method permits higher yields of DNA since the DNA is poured from the tube rather than aspirated with pipet.

PMID: 2559624 [PubMed - indexed for MEDLINE]

Display Abstract Sort Save Text Clip Add Order